

# LINCWELDER<sup>®</sup> 225

## Engine Welder

New, low-cost machine delivers both 225-amp DC welding heat *and* 115-volt AC power. Welds, brazes, solders, hardsurfaces, handles non-ferrous metals, heats metal for bending, thaws frozen pipes. Excellent for construction, field work, plant maintenance and the farm. Portable. Light. Lifts easily onto panel pickup trucks. Compact. Hoists easily to upper floors—by crane—by elevator.

**LINCOLN**<sup>®</sup>  
**WELDERS**

## *A working welder...with power too!*

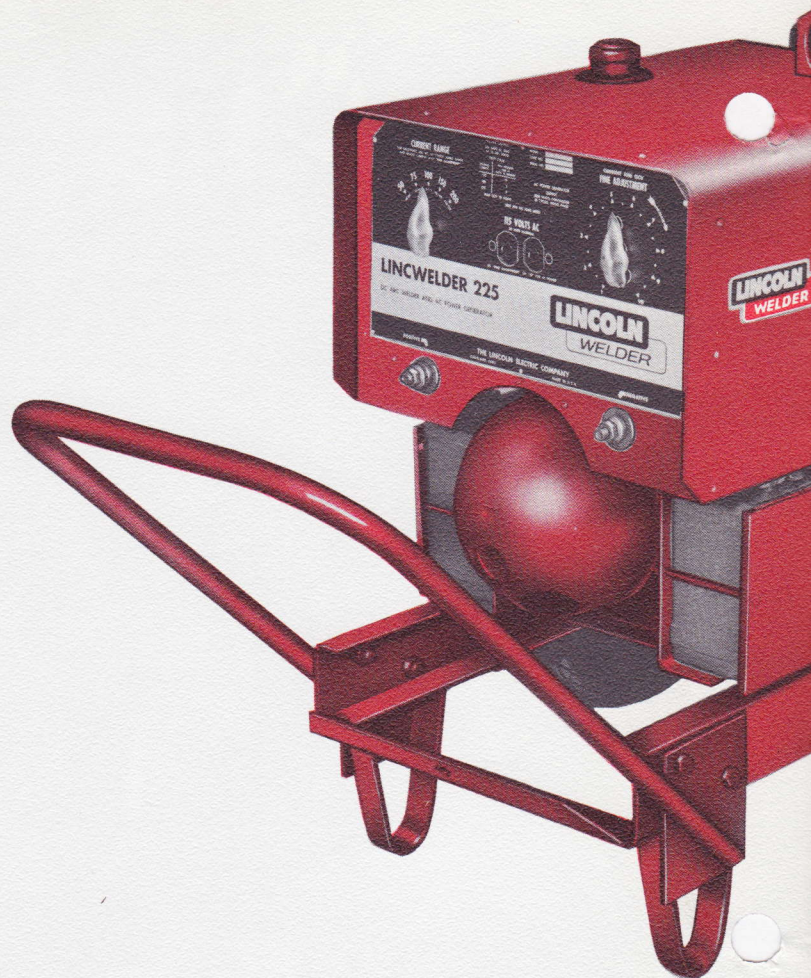
As a welder, *Lincwelder 225's* DC output handles any type electrode. This means that even Fleetweld 5 (E6010), which is so popular for out-of-position maintenance and erection work, can be used. And stainless steel, hardsurfacing, cast iron, and non-ferrous electrodes may also be used. Its capacity will handle  $\frac{3}{16}$ " electrodes and its duty cycle is satisfactory for most field welding. Use it for pipe thawing too.

The *Lincwelder 225* was designed primarily for use as a DC welder that would prove immensely valuable to contractors, maintenance departments, field erection crews. But to make it all the more useful, we added an auxiliary power supply that delivers 3,000 watts of 50-cycle, 115-volt power.

This is more than ample to drive virtually all hand power tools used in the field... from grinders to drills to skillsaws... or any other tool driven by a dual-rated, 50/60-cycle motor. Handles incandescent lights, too.

You'll find *Lincwelder 225's* invaluable. First, as welders, and second, because they provide this auxiliary power for most of the operations you perform along with welding.

So visit your Lincoln dealer and try one today. You will be delighted with its performance.



**WELDING FRAMES** is a breeze with this new Lincwelder 225. It handles every type of manual electrode... smoothly. Mild steel, stainless steel, hardsurfacing and even non-ferrous metals can be welded with  $\frac{3}{16}$ " or smaller electrodes.



**CONTRACTORS** welcome the Lincwelder's mobility. It goes where you go to do tough jobs large or small. Here, an excavating contractor carries his skid-mounted welder on the back of a truck to do hardsurfacing and other tasks right in the field.



## Check these features...



**Gas-fill pipe** — conveniently located for easy refueling

**Sturdy lift hook** — permits movement and positioning of unit through use of overhead equipment

**Air cleaner** — assures a constant flow of clean air to engine for optimum operating efficiency

**Onan gasoline engine** — compact, powerful, economical. Rugged, lightweight unit operates at moderately high speeds, has long life and requires little attention

**Current range selector** — precise five-step range, provides coarse adjustment

**Current fine adjustment rheostat** — gives precise fine tuning within each range. Ranges overlap so there are no blind spots

**Auxiliary power receptacle** — provides 3000 watts of 115-volt, 50-cycle AC power

**Output terminals** — 40-225 amperes DC welding current, easy access on machine front panel

**Optional undercarriage** — available with choice of wheels for easy road towing or manual pulling to desired operating site

**Optional electric starter** — provides positive, effortless starting. Includes two 12-volt batteries, start button, ammeter, and charging rate control

**Twin mufflers** — keep noise to a minimum

**Optional automatic idler** — automatically slows engine to idle speed when not welding

**Choke** — for smooth performance during warmup

**Throttle** — to idle the engine when not actually in use

**Optional recoil starter** — self-winding pull rope, always ready for starting

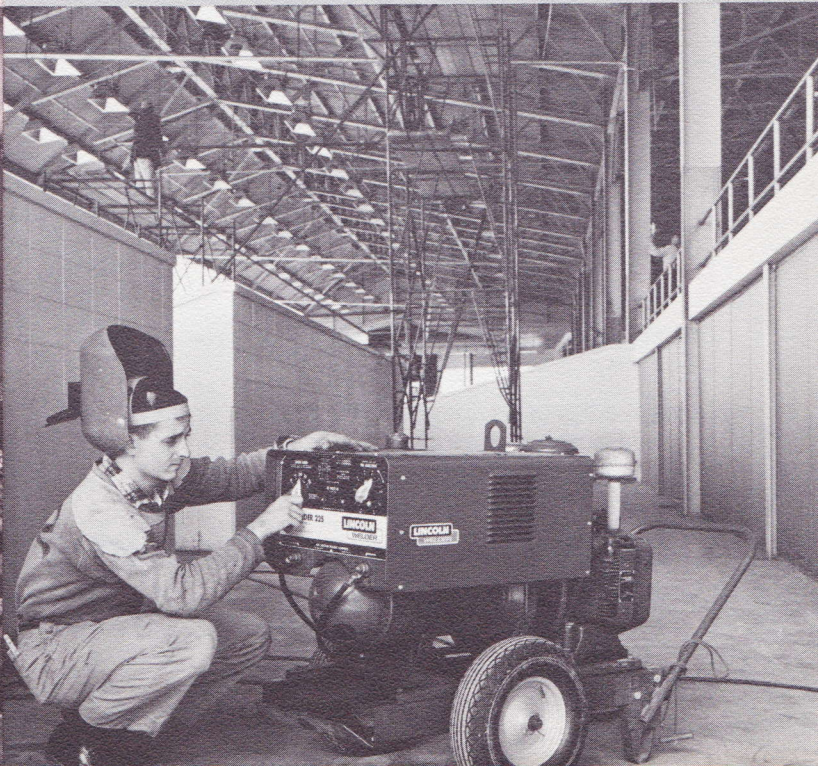
**Sediment bowl** — located for quick visual inspection, may be removed easily for periodic cleaning

**Oil-fill pipe** — convenient, easy to reach

**Ignition switch** — within easy reach at waist-high level

**HANDY POWER SUPPLY** drives grinder from double receptacle on front of machine. Unit produces 3000 watts of 115-volt, 50-cycle, AC power to operate all hand power tools, and incandescent lights for field construction and maintenance work.

**EASY TO OPERATE AND OWN.** Operators like the precise, conveniently located current adjustment controls. Rope starter is standard. Unit has low initial and operating costs, is engineered for simplicity to minimize upkeep.



## OPTIONAL FEATURES *(available at slight extra cost)*

**Standard accessory set (K-710).** Standard group of accessories including: 30' of #3 electrode cable, 25' of #3 ground cable, Coolshield 3 headshield, #10 LHV lens, non-spatter cover glass, INS electrode holder, and GC-300 ground clamp.

**Battery start.** For electric starting, the generator itself is used as the starting motor. The electric-start optional equipment includes two 12-volt batteries (connected in series to provide 24 volts for starting), battery charging circuit with ammeter, and starting switch. This feature is available factory-installed, or as a kit for field installation.

**Recoil starter.** Automatically recoils the starting rope after it has been pulled to start the engine. Available as a kit for field installation.

**Automatic idler.** This device slows the engine to low idle speed when not welding, and automatically restores it to full speed when the arc is struck. Available factory-installed, or as a kit for field installation.

**Undercarriages.** K-728, illustrated inside, has small pneumatic tires and handlebar and is used for manual pulling. Other models available for road towing.

## SPECIFICATIONS

Model . . . . .	DC-225/3-AS
Type . . . . .	K-1192
Rated welder output @ 25 arc volts . . . . .	225 amps
Welding current range . . . . .	40-225 amps
Welding duty cycle:	
@ 225 amps . . . . .	30%
@ 180 amps . . . . .	50%
@ 125 amps . . . . .	100%
Auxiliary power:	
Watts . . . . .	3000 watts
Voltage . . . . .	115 volts
Amperage . . . . .	30 amps
Cycles . . . . .	50
Phase . . . . .	Single
Engine:	
Make . . . . .	Onan
Type . . . . .	Super CCK
Number of cylinders . . . . .	2
Cycle . . . . .	4
Bore and stroke . . . . .	3½ x 3
Horsepower @ 3000 rpm . . . . .	15.7
Operating speeds:	
Full load . . . . .	2600 rpm
High idle . . . . .	3000 rpm
Low idle . . . . .	2100 rpm
Gasoline capacity . . . . .	5.3 gal.
Oil capacity . . . . .	3 qt.
Net weight . . . . .	500 lbs.
Dimensions:	
Overall . . . . .	20½" x 38¼" x 26¾" high
Mounting Holes . . . . .	14" & 16" (centers) width
(4 sets; ⅝" dia.) . . . . .	19⅞" & 25⅞" (centers) length

## ENGINE ACCESSORIES

**Lubrication:** gear type oil pump, pressure and spray

**Ignition system:** magneto-flywheel mounted, automatic spark advance

**Fuel system:** fuel pump, manual choke, sediment bowl

**Governor:** centrifugal flyball type (internal)

**Air cleaner:** oil bath type

**THE LINCOLN ELECTRIC COMPANY**

*The World's Largest Manufacturer of Arc Welding Equipment and Electrodes*  
CLEVELAND 17, OHIO

